

## PATENT ABSTRACTS OF JAPAN

(11)Publication number :

10-229304

(43)Date of publication of application : 25.08.1998

(51)Int. Cl.

H01Q 1/38

H01Q 1/24

H01Q 9/42

H04B 1/38

(21)Application number : 09-029041

(71)Applicant : YOKOWO CO LTD

(22)Date of filing : 13.02.1997

(72)Inventor : YANAGISAWA KAZUSUKE

ARAI MICHIO

OSHIYAMA TADASHI

(54) ANTENNA FOR PORTABLE RADIO EQUIPMENT AND PORTABLE RADIO EQUIPMENT USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a portable radio equipment, such as a PHS and a cellular telephone set that builds in an antenna and to provide the antenna used for the portable radio equipment.

SOLUTION: This antenna is made up of a dielectric board 1, an antenna element 2 provided to one side of the dielectric board, and a feeding section 3 that is placed to one end of the antenna element, and a chip type small-sized antenna is formed by folding back the antenna element at least once in substantially parallel along the lengthwise direction. Since the antenna is formed to be a small chip type on the rear side of which a mount land is provided, the antenna is simply fitted to a printed circuit board in a casing of a radio equipment.

